

3. (Thrice amended) The polynucleotide of claim 4, wherein the SMRT co-repressor comprises a repression domain having

a) less than about 83% identity with a Sin3A interaction domain of N-CoR set forth as amino acids 255 to 312 of SEQ ID NO: 11;

① b) less than about 57% identity with repression domain 1 of N-CoR set forth as amino acids 1 to 312 of SEQ ID NO: 11;

c) less than about 66% identity with a SANT domain of N-CoR set forth as amino acids 312 to 668 of SEQ ID NO: 11; or

d) less than about 30% identity with repression domain 2 of N-CoR set forth as amino acids 736 to 1031 of SEQ ID NO: 11.

sub E1 4. (Twice amended) An isolated polynucleotide encoding a member of a family of silencing mediators of retinoic acid receptor and thyroid hormone receptor (SMRT), or a peptide portion thereof (collectively, a SMRT co-repressor), or an isolated polynucleotide complementary thereto, wherein said SMRT co-repressor is capable of mediating the transcriptional silencing of at least one member of the steroid/thyroid hormone superfamily of receptors, and wherein the SMRT co-repressor comprises an amino acid sequence having at least 80% sequence identity with SEQ ID NO: 5.

5. (Thrice amended) An isolated polynucleotide encoding a member of a family of silencing mediators of retinoic acid receptor and thyroid hormone receptor (SMRT), or a peptide portion thereof (collectively, a SMRT co-repressor), or an isolated polynucleotide complementary thereto, wherein said SMRT co-repressor is capable of mediating the transcriptional silencing of at least one member of the steroid/thyroid hormone superfamily of receptors, and wherein said co-repressor is encoded by a polynucleotide having at least 80% sequence identity with SEQ ID NO: 4.

Sub E1
D2
9. (Thrice amended) An isolated polynucleotide encoding a member of a family of silencing mediators of retinoic acid receptor and thyroid hormone receptor (SMRT), or a peptide portion thereof (collectively, a SMRT co-repressor), or an isolated polynucleotide complementary thereto, wherein said SMRT co-repressor is capable of mediating the transcriptional silencing of at least one member of the steroid/thyroid hormone superfamily of receptors, and wherein said polynucleotide encodes a polypeptide having at least 80% sequence identity with SEQ ID NO: 7.

10. (Thrice amended) The polynucleotide of claim 9, which has a nucleotide sequence having at least 80% sequence identity with SEQ ID NO: 6.

Sub E1
D3
12. (Thrice amended) An isolated polynucleotide encoding a member of a family of silencing mediators of retinoic acid receptor and thyroid hormone receptor (SMRT), or a peptide portion thereof (collectively, a SMRT co-repressor), or an isolated polynucleotide complementary thereto, wherein said SMRT co-repressor is capable of mediating the transcriptional silencing of at least one member of the steroid/thyroid hormone superfamily of receptors, and wherein said polynucleotide encodes a polypeptide having at least 80% sequence identity with SEQ ID NO: 9.

13. (Twice amended) The polynucleotide of claim 12, which has a nucleotide sequence having at least 80% sequence identity with SEQ ID NO: 8.

Sub E1

14. (Thrice amended) A first isolated polynucleotide encoding a member of a family of silencing mediators of retinoic acid receptor and thyroid hormone receptor (SMRT), or a peptide portion thereof (collectively, a SMRT co-repressor), or a second isolated polynucleotide complementary thereto, wherein said SMRT co-repressor is capable of mediating the transcriptional silencing of at least one member of the steroid/thyroid hormone superfamily of receptors, and wherein said first polynucleotide is selected from the group consisting of:

- D3
cancel
- (a) a nucleotide sequence having at least 80% sequence identity with nucleotides 1 to 3094 of SEQ ID NO: 4;
 - (b) a nucleotide sequence having at least 80% sequence identity with nucleotides 1 to 3718 of SEQ ID NO: 6;
 - (c) a nucleotide sequence having at least 80% sequence identity with nucleotides 1 to 2801 of SEQ ID NO: 8; and
 - (d) polynucleotides complementary to the sequence of (a), (b), or (c), provided that the polynucleotide does not contain a sequence identical to SEQ ID NO: 11.

D4

16. (Twice amended) A first polynucleotide according to claim 14, wherein said first polynucleotide is selected from the group consisting of:

- (a) nucleotides 1 to 3094 of SEQ ID NO: 4;
- (b) nucleotides 1 to 3718 of SEQ ID NO: 6;
- (c) nucleotides 1 to 2801 of SEQ ID NO: 8; and
- (d) polynucleotides having at least 80% sequence identity with the complementary sequence of (a), (b), or (c).

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Please cancel claims 6 and 7 without prejudice.